

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

YASUDA et al.

Atty. Ref.: 4706-15

Serial No. unknown

TC/A.U.: unknown

Filed: July 28, 2006

Examiner: Unknown

For: RELAXOR FERROELECTRIC SOLID-SOLUTION SINGLE CRYSTAL,
DEVICE, AND METHOD OF USING DEVICE

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July 28, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the documents listed on the attached form PTO-1449.

The listed documents were cited in the ISR and copies should have been supplied by WIPO directly to the US PTO. If copies are not timely received from WIPO, please telephone the undersigned so that copies can be timely supplied for the Examiner's consideration in this US National Phase Application.

This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO/SB/08a and to return a copy of the initialed document to the undersigned as an indication that the listed documents have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

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(Use several sheets if necessary)

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U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

TRANSLATION						
DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
2003-270602 A	09/2003	JP				
2001-509312	07/2001	JP				
98/33220	07/1998	WO				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	International Search Report of PCT/JP2005/001275, mailed 17 May 2005
	COLLA et al., "Dielectric properties of (PMN) _(1-x) (PT) _x single crystals for various electrical and thermal histories", Journal of Applied Physics, Vol. 83, No. 6, (1998), Pgs. 3298-3304
	COLLA et al., "Dependence of dielectric relaxation on ac drive in [Pb(Mg _{1/3} Nb _{2/3})O ₃] _(1-x) -(PbTiO ₃) single crystals", Journal of Applied Physics, Vol. 85, No. 3, (1999), Pgs. 1693-1697
	LU et al., "Structural and electro-optic properties in lead magnesium niobate titanate thin films, Applied Physics Letters, Vol. 74, No. 20, (1999), Pgs. 3038-3040
	LU et al., "Photoelastic effects in tetragonal Pb (Zn _{1/3} Nb _{2/3})O ₃ -RbTiO ₃ single crystals near the morphotropic phase boundary, Journal of Applied Physics, Vol. 89, No. 9, (2001), Pgs. 5075-5078
	KUWATA et al., "Phase transitions in the Pb (Zn _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ system, Ferroelectrics, Vol. 37, (1981), Pgs. 579-582
	FUJISHIRO et al., "Optical and structural studies of long-range order development in relaxor ferroelectrics", Journal of the Physical Society of Japan, Vol. 69, No. 7, (2000), Pgs. 2331-2338
	HAN et al., "Electric field effects on the phase transitions in [001]-oriented (1-x) Pb (Zn _{1/3} Nb _{2/3}) O ₃ -xPbTiO ₃ single crystals with composition near the morphotropic phase boundary, Physical Review B, Vol. 68, No. 13, (2003), Pgs. 134102.1 to 134102.6

*Examiner

/Thomas Dougherty/

Date Considered

04/10/2008

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.D./

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